

#2

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/511,233

Source: P4/10

Date Processed by STIC: 10/24/04

ENTERED



PCT

RAW SEQUENCE LISTING

DATE: 10/24/2004

PATENT APPLICATION: US/10/511,233

TIME: 08:52:43

Input Set : A:\64967-07(US)sequence.ST25.txt

Output Set: N:\CRF4\10242004\J511233.raw

```

3 <110> APPLICANT: Oregon Health & Science University
4     Flemming, William H
5     Li, Bei
7 <120> TITLE OF INVENTION: Enhancement of Hematopoietic Stem Cell Survival
9 <130> FILE REFERENCE: 899-64967-07
C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/511,233
C--> 11 <141> CURRENT FILING DATE: 2004-10-12
11 <150> PRIOR APPLICATION NUMBER: PCT/US03/11649
12 <151> PRIOR FILING DATE: 2003-04-15
14 <150> PRIOR APPLICATION NUMBER: US 60/373,127
15 <151> PRIOR FILING DATE: 2002-04-16
17 <160> NUMBER OF SEQ ID NOS: 22
19 <170> SOFTWARE: PatentIn version 3.3
21 <210> SEQ ID NO: 1
22 <211> LENGTH: 20
23 <212> TYPE: DNA
24 <213> ORGANISM: Artificial sequence
26 <220> FEATURE:
27 <223> OTHER INFORMATION: primer
29 <400> SEQUENCE: 1
30 agtcccccattg gagtcaaaga                                20
33 <210> SEQ ID NO: 2
34 <211> LENGTH: 20
35 <212> TYPE: DNA
36 <213> ORGANISM: Artificial sequence
38 <220> FEATURE:
39 <223> OTHER INFORMATION: primer
41 <400> SEQUENCE: 2
42 ctcaaggaga cctttgctca                                20
45 <210> SEQ ID NO: 3
46 <211> LENGTH: 20
47 <212> TYPE: DNA
48 <213> ORGANISM: Artificial sequence
50 <220> FEATURE:
51 <223> OTHER INFORMATION: primer
53 <400> SEQUENCE: 3
54 tgtctctcca gtttcctgc                                20
57 <210> SEQ ID NO: 4
58 <211> LENGTH: 20
59 <212> TYPE: DNA
60 <213> ORGANISM: Artificial sequence
62 <220> FEATURE:
63 <223> OTHER INFORMATION: primer

```

RAW SEQUENCE LISTING

DATE: 10/24/2004

PATENT APPLICATION: US/10/511,233

TIME: 08:52:43

Input Set : A:\64967-07(US)sequence.ST25.txt

Output Set: N:\CRF4\10242004\J511233.raw

```

65 <400> SEQUENCE: 4
66 ttcagggact catgggctca                                20
69 <210> SEQ ID NO: 5
70 <211> LENGTH: 20
71 <212> TYPE: DNA
72 <213> ORGANISM: Artificial sequence
74 <220> FEATURE:
75 <223> OTHER INFORMATION: primer
77 <400> SEQUENCE: 5
78 atgcctgtaa tcccagcact                                20
81 <210> SEQ ID NO: 6
82 <211> LENGTH: 20
83 <212> TYPE: DNA
84 <213> ORGANISM: Artificial sequence
86 <220> FEATURE:
87 <223> OTHER INFORMATION: primer
89 <400> SEQUENCE: 6
90 tcatggtggt agctggtagc                                20
93 <210> SEQ ID NO: 7
94 <211> LENGTH: 20
95 <212> TYPE: DNA
96 <213> ORGANISM: Artificial sequence
98 <220> FEATURE:
99 <223> OTHER INFORMATION: primer
101 <400> SEQUENCE: 7
102 cacaggacta gaacacctgc                                20
105 <210> SEQ ID NO: 8
106 <211> LENGTH: 19
107 <212> TYPE: DNA
108 <213> ORGANISM: Artificial sequence
110 <220> FEATURE:
111 <223> OTHER INFORMATION: primer
113 <400> SEQUENCE: 8
114 gctggtgaaa aggacctct                                19
117 <210> SEQ ID NO: 9
118 <211> LENGTH: 20
119 <212> TYPE: DNA
120 <213> ORGANISM: Artificial sequence
122 <220> FEATURE:
123 <223> OTHER INFORMATION: primer
125 <400> SEQUENCE: 9
126 ggatggcaat cgaatcactg                                20
129 <210> SEQ ID NO: 10
130 <211> LENGTH: 20
131 <212> TYPE: DNA
132 <213> ORGANISM: Artificial sequence
134 <220> FEATURE:
135 <223> OTHER INFORMATION: primer
137 <400> SEQUENCE: 10

```

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/511,233

DATE: 10/24/2004

TIME: 08:52:43

Input Set : A:\64967-07(US)sequence.ST25.txt

Output Set : N:\CRF4\10242004\J511233.raw

| | | |
|-----|-------------------------------------|----|
| 138 | tctgctctag gctgcttctt | 20 |
| 141 | <210> SEQ ID NO: 11 | |
| 142 | <211> LENGTH: 21 | |
| 143 | <212> TYPE: DNA | |
| 144 | <213> ORGANISM: Artificial sequence | |
| 146 | <220> FEATURE: | |
| 147 | <223> OTHER INFORMATION: primer | |
| 149 | <400> SEQUENCE: 11 | |
| 150 | tgagccaagt gttaagtgtg g | 21 |
| 153 | <210> SEQ ID NO: 12 | |
| 154 | <211> LENGTH: 20 | |
| 155 | <212> TYPE: DNA | |
| 156 | <213> ORGANISM: Artificial sequence | |
| 158 | <220> FEATURE: | |
| 159 | <223> OTHER INFORMATION: primer | |
| 161 | <400> SEQUENCE: 12 | |
| 162 | gagcaagctg catcatttcc | 20 |
| 165 | <210> SEQ ID NO: 13 | |
| 166 | <211> LENGTH: 22 | |
| 167 | <212> TYPE: DNA | |
| 168 | <213> ORGANISM: Artificial sequence | |
| 170 | <220> FEATURE: | |
| 171 | <223> OTHER INFORMATION: primer | |
| 173 | <400> SEQUENCE: 13 | |
| 174 | aggggaccag ctgcacatta gg | 22 |
| 177 | <210> SEQ ID NO: 14 | |
| 178 | <211> LENGTH: 22 | |
| 179 | <212> TYPE: DNA | |
| 180 | <213> ORGANISM: Artificial sequence | |
| 182 | <220> FEATURE: | |
| 183 | <223> OTHER INFORMATION: primer | |
| 185 | <400> SEQUENCE: 14 | |
| 186 | aggccgcttc tcttgaccac tt | 22 |
| 189 | <210> SEQ ID NO: 15 | |
| 190 | <211> LENGTH: 18 | |
| 191 | <212> TYPE: DNA | |
| 192 | <213> ORGANISM: Artificial sequence | |
| 194 | <220> FEATURE: | |
| 195 | <223> OTHER INFORMATION: primer | |
| 197 | <400> SEQUENCE: 15 | |
| 198 | gccagggggt ctagaagc | 18 |
| 201 | <210> SEQ ID NO: 16 | |
| 202 | <211> LENGTH: 20 | |
| 203 | <212> TYPE: DNA | |
| 204 | <213> ORGANISM: Artificial sequence | |
| 206 | <220> FEATURE: | |
| 207 | <223> OTHER INFORMATION: primer | |
| 209 | <400> SEQUENCE: 16 | |
| 210 | tcacttgga cccagtacaa | 20 |

RAW SEQUENCE LISTING

DATE: 10/24/2004

PATENT APPLICATION: US/10/511,233

TIME: 08:52:43

Input Set : A:\64967-07(US)sequence.ST25.txt

Output Set: N:\CRF4\10242004\J511233.raw

```

213 <210> SEQ ID NO: 17
214 <211> LENGTH: 24
215 <212> TYPE: DNA
216 <213> ORGANISM: Artificial sequence
218 <220> FEATURE:
219 <223> OTHER INFORMATION: primer
221 <400> SEQUENCE: 17
222 ctcagagctt cggcgcacatca ccag 24
225 <210> SEQ ID NO: 18
226 <211> LENGTH: 24
227 <212> TYPE: DNA
228 <213> ORGANISM: Artificial sequence
230 <220> FEATURE:
231 <223> OTHER INFORMATION: primer
233 <400> SEQUENCE: 18
234 gacaaacacc acatccagaa ccat 24
237 <210> SEQ ID NO: 19
238 <211> LENGTH: 20
239 <212> TYPE: DNA
240 <213> ORGANISM: Artificial sequence
242 <220> FEATURE:
243 <223> OTHER INFORMATION: primer
245 <400> SEQUENCE: 19
246 aaccacttca cagagctgca 20
249 <210> SEQ ID NO: 20
250 <211> LENGTH: 20
251 <212> TYPE: DNA
252 <213> ORGANISM: Artificial sequence
254 <220> FEATURE:
255 <223> OTHER INFORMATION: primer
257 <400> SEQUENCE: 20
258 caagccatca gcttctccat 20
261 <210> SEQ ID NO: 21
262 <211> LENGTH: 22
263 <212> TYPE: DNA
264 <213> ORGANISM: Artificial sequence
266 <220> FEATURE:
267 <223> OTHER INFORMATION: primer
269 <400> SEQUENCE: 21
270 gactatggca gcagtctctt cc 22
273 <210> SEQ ID NO: 22
274 <211> LENGTH: 21
275 <212> TYPE: DNA
276 <213> ORGANISM: Artificial sequence
278 <220> FEATURE:
279 <223> OTHER INFORMATION: primer
281 <400> SEQUENCE: 22
282 ggtggttgct gtctgacaat t 21

```

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/511,233

DATE: 10/24/2004

TIME: 08:52:44

Input Set : A:\64967-07(US)sequence.ST25.txt

Output Set: N:\CRF4\10242004\J511233.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application No

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date